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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/693,514

10/21/2003

Ming Huang Huang

AAA 159

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03/06/2006

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EXAMINER

BLACKMAN, ROCHELLE ANN J

ART UNIT

PAPER NUMBER

2851

DATE MAILED: 03/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/693,514

Applicant(s)

HUANG, MING HUANG

Examiner

Rochelle Blackman

Art Unit

2851

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 February 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3,6 and 7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3,6 and 7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on February 17, 2006 has been entered.

Response to Arguments

Applicant's arguments with respect to claims 1-3, 6, and 7 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3 and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Howells et al. (GB Patent No. 2329011).

Regarding claim 1, Howells discloses a projector light device (see Figs. 1 and/or 2) comprising: a housing (although not shown, the "housing" is considered to be the body or casing of, for example, the *railway traffic signaling light* on pg. 1, line 4 and pg. 2, line 23) including a supporting panel (although not shown, the "supporting panel" is considered to be the element or apparatus holding or supporting all the elements in Figs. 1 and/or 2 inside the body or casing of, for example, the *railway traffic signaling light* on pg. 1, line 4 and pg. 2, line 23 – all the elements of Figs. 1 and/or 2 is considered to be supported by some sort of structure or substrate inside the *railway traffic signaling light* in order to operate or function) provided therein, a board (see 113 of Fig. 1 and/or 213 of Fig. 2) attached to said panel, a plurality of light members (see 112 of Fig. 1 and/or 212 of Fig. 2) attached to said board for generating lights, and a plate (see 117 of Fig. 1 and/or 217 of Fig. 2) disposed in front of said board, and including a plurality of lenses (see 116 of Fig. 1 and/or 216 of Fig. 2) provided therein and arranged in front of said light members, for concentrating the lights generated by said light members, and for increasing projecting distances of the lights generated by said light members (see *concentrating arrangement* on pg. 9, lines 18-19 and pg. 10, lines 26-27 and see *lens elements 116 may be of simple convex shapes* on pg. 10, lines 12-13 - "plurality of lenses" 216 are considered to be capable of being arranged with *simple convex shapes* as well), a cover (see 126A, 126B of Fig. 1 and/or 225, 225' 226 of Fig. 2) disposed in front of said plate, and including a transparent sheet provided therein, and arranged in front of said light members, for shielding and protecting said

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light members, and for allowing the light generated by said light members to emit out through said transparent sheet of said cover.

Regarding claim 2, Howells discloses wherein each of said light members includes a seat (see area of "board" 213 where "light members" 212 are positioned and located) having an orifice (this is considered to be the area of "board" 213 where electrical wires of "light members" 212, are physically connected to) formed therein, and a light element (see 212 of Fig. 2) received in said orifice of said seat.

Regarding claim 3, Howells discloses wherein each of said light members includes at least one pair of conductors (each of the "light members" 212 are considered to have a pair of electrical wires considered to be "conductors" like that of Figs. 4 and 5, extending therefrom physically and electrically connecting them to "board" 213) extended therefrom.

Regarding claim 7, Howells discloses wherein each of said plurality of lenses is in general alignment with one of said plurality of light members (see "plurality of lenses" 216 relative to "light members" 212 in Fig. 2).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-3, 6, and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Finizio et al. (U.S. Patent Publication No. 2003/0095800) in view of Howells et al. (GB Patent No. 2329011).

Finizio discloses projector light device (see 20, 22 of FIGURES 1-3) comprising: a housing (see 20 of FIGURES 1-3) including a supporting panel (see 72 of FIGURE 3) provided therein, a board (see *PCB 70* in pg. 3, paragraph [0034]) attached to said panel, a plurality of light members (see 68 of FIGURE 2) attached to said board for generating lights, and a plate (see 76 of FIGURES 2 and 3 and pg. 3, paragraph [0036]) disposed in front of said board, arranged in front of said light members, for concentrating the light generated by said light members, and for increasing projecting distances of the lights generated by said light members, a cover (see 40 of FIGURES 2 and 3) disposed in front of said plate, and including a transparent sheet provided therein, and arranged in front of said light members, for shielding and protecting said light members, and for allowing the light generated by said light members to emit out through said transparent sheet of said cover; wherein each of said light members includes a seat (see area where "light members" 68 are located on the board or

substrate of element 66 in FIGURE 3) having an orifice (see the individual areas where each of the "plurality light members" 68 are positioned on the board or substrate of element 66 in FIGURE 3) formed therein, and a light element (see 68 of FIGURES 2 and 3) received in said orifice of said seat; wherein each of said light members includes at least one pair of conductors extended therefrom (see connection wires extending from "light members" 68 in FIGURE 2); further comprising a camera (see 10 of FIGURE 1) attached to said housing.

Regarding claims 1 and 7, Finizio discloses the claimed invention except for the plate including "a plurality of lenses, wherein each of said plurality of lenses is in general alignment with one of said plurality of light members".

Howells teaches providing a plate (see 117 of Fig. 1 and/or 217 of Fig. 2) including a plurality of lenses (see 116 of Fig. 1 and/or 216 of Fig. 2), wherein each of said plurality of lenses is in general alignment with one of a plurality of light members (see 112 of Fig. 1 and/or 212 of Fig. 2).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the "plate" of the "projector light device" of Finizio reference with a plurality of lenses, wherein each of the plurality of lenses are in general alignment with one of the plurality of said plurality of light members, as taught by Howells for the purpose of focusing light, passing light in overlapping relation and/or producing substantially parallel light (see pg. 9, lines 20-21 and pg. 10, lines 28-29).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Reiff et al. (U.S. Patent No. 6,979,100), LED Work Light: FIG. 24.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rochelle Blackman whose telephone number is (571) 272-2113. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on (571) 272-2258. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



RB

William Perkey
Primary Examiner